

Coconut Processing Equipment

Industrial-grade machines for coconut processing.
Supplied by Oktopus - made for Philippine coconut processors.

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This brochure covers 13 products. For pricing, demos, and delivery inquiries, contact us via the website or Telegram.

Coconut Water Extraction & Collection Unit

Zero-Waste Design

Hygienic, zero-waste water recovery before deshelling

This equipment removes coconut water from the coconut *before* deshelling. Water is extracted by drilling into the soft eye of the coconut. After drilling, coconuts are held on a fixture while water flows into a stainless-steel collection tank - preserving every drop for beverages, cosmetics, or further processing.

Demo video: <https://youtu.be/5sV9sB3A000>

Specification	Value
Power requirement	1 HP / 3 Phase
Material (MOC)	Stainless Steel 304 (all contact parts); electrical mot

Coconut Deshelling Machine

200-250 nuts/hr

High-capacity shell separation - 200-250 nuts/hr

Detaches the hard coconut shell from the dehusked coconut through a precision deshelling wheel. One operator holds the coconut during processing - making it safe, ergonomic, and low-maintenance. Suitable for DC units, Virgin Coconut Oil plants, hotels, temples, bakeries, and all coconut processing industries.

Demo video: <https://youtu.be/yvL0gM-ngBY>

Specification	Value
Drive type	Electrical motor with gearbox
Material (MOC)	Mild Steel with powder coating / painting
Cutting wheels	Alloy Steel with blackening
No. of cutting wheels	2 - left: tip opening, right: deshelling
Power requirement	1 HP geared motor / 415 V / 3 Phase
Capacity	200 - 250 coconuts / hour

Key Features:

- + Easy to operate
- + Cost effective
- + Reliable quality
- + Low maintenance
- + Easy installation
- + Compact footprint
- + Efficient consumable utilization

Coconut Testa Removing Machine (Double Head)

Up to 300 nuts/hr

Fast, clean testa removal - up to 300 nuts/hr

Developed to remove the brown testa from coconut endosperm (kernel). Testa removal is a critical step in producing Virgin Coconut Oil, coconut chips, coconut milk, desiccated coconut powder, and other high-value products. The coconut kernel is pressed by hand against the rotating friction wheels - simple, fast, and hygienic.

Demo video: <https://youtu.be/S1x2yn0YE20>

Specification	Value
Drive type	Electrical motor
Contact parts	SS 304 stainless steel; remaining fabrication in MS
Cutting wheels	SS 304 stainless steel
No. of cutting wheels	2
Power requirement	1 HP / 415 V / 3 Phase
Capacity	250 - 300 coconuts / hour

Key Features:

- + Low power consumption
- + Cost effective
- + Easy to operate
- + Easy installation
- + Low maintenance
- + Minimal space required
- + Low noise
- + Efficient consumable utilization

Coconut Washing Machine - Model VM-500

800 kg/h

Bubble + spray cleaning, 800 kg/h throughput

The VM-500 combines bubble cleaning and spray cleaning to effectively separate surface attachments, simulating manual washing action at industrial scale. Circulating water reduces consumption while an ozone disinfection system ensures hygienic output. The all-SUS304 stainless steel conveyor belt handles medium and large coconut fruits with ease.

Demo video: <https://youtu.be/3lshTsX48wg>



Specification	Value
Model	VM-500
Capacity	800 kg/h
Circulation pump	1.1 kW
Air pump	2.2 kW
Belt conveyor	0.37 kW
Dimension	2500 x 900 x 1140 mm
Construction material	SUS304 stainless steel
Power supply	415V, 50Hz, 3-phase

Key Features:

- + Bubble cleaning & spray cleaning
- + Circulating water (water-saving)
- + Ozone disinfection
- + All SUS304 stainless steel conveyor
- + Handles medium & large fruits

Coconut Dicing Machine - Model CQD-500

Up to 5,000 kg/h

3,000-5,000 kg/h precision dicing, ISO9001/CE certified

The CQD-500 is a high-capacity industrial dicing machine designed for coconut meat and similar produce. It delivers consistent cube cuts from 5x5x5 mm up to 10x10x10 mm at throughputs of 3,000-5,000 kg per hour. Built entirely from SUS304 stainless steel, it meets ISO9001 and CE standards and ships complete with operation manual, outline drawing, electrical drawing, and quality certification.

Demo video: https://youtu.be/IMDTm6vu_JE



Specification	Value
Model	CQD-500
Power	9.7 kW
Capacity	3,000 - 5,000 kg/h
Dice size range	5x5x5 mm - 10x10x10 mm
Dimension	1900 x 900 x 1600 mm
Gross weight	885 kg
Construction material	SUS304 stainless steel
Power supply	415V, 50Hz, 3-phase
Certificate	ISO9001 / CE

Key Features:

- + Adjustable dice size (5-10 mm)
- + High throughput 3,000-5,000 kg/h
- + ISO9001 & CE certified
- + Full SUS304 stainless construction
- + Ships with full documentation set

Agitator Dryer - Model FBD-200

150-200 kg/batch

150-200 kg/batch, dries diced coconut from 50-55% MC to 3% MC

The FBD-200 is a simplified fluid bed dryer with a ribbon agitator, purpose-built for granular coconut products such as 3x3x3 mm diced coconut. Wet material is gravity-fed into a conical perforated drying chamber where the ribbon agitator moves material up the inner wall and back down through the center, while hot air flows through for fast, uniform drying - reducing moisture content from 50-55% down to 3% in 60-90 minutes per batch. Comes complete with belt conveyor for feeding, steam heat exchanger, and a press-button control cabinet.



Demo video: <https://youtu.be/mTE3ZKPWynM>

Specification	Value
Model	FBD-200
Drying chamber volume	600 L (bowl: 300 L, O 1300 mm)
Wet material	Diced coconut 3x3x3 mm
Moisture reduction	50-55% MC -> 3% MC
Load capacity	150-200 kg/batch
Drying time	60-90 min/batch
Drying temperature	100-120 degC (adjustable)
Draft fan	7.5 kW with inverter - 3,130-3,685 m3/h
Steam consumption	150-200 kg/h @ 0.4-0.5 MPa
Hot air temperature	80-150 degC (±2 degC accuracy)
Belt conveyor	PDJ-510x2040, 510 mm wide, 1.5 kW
Total power	9.75 kW
Power supply	415V, 50Hz, 3-phase
Construction material	SUS304 stainless steel
Installation dimension	5000 x 1400 x 2600 mm

Key Features:

- + Ribbon agitator for uniform drying
- + Perforated conical chamber
- + Steam heat exchanger (80 m2 area)
- + Pneumatic feed & discharge valves
- + Inverter-controlled fan & conveyor
- + Delta temperature controller (±2 degC)
- + Full SUS304 stainless construction

Biomass Steam Generator - Model LSG-1.5-0.7-S

1,500 kg/h steam

1,500 kg/h steam, runs on coconut shells, wood chips, or biomass pellets

The LSG-1.5-0.7-S is a biomass-fired steam generator producing 1,500 kg/h of saturated steam at 0.7 MPa (170 degC). It runs on locally available fuels - biomass pellets, wood chips, or coconut shells - making it ideal for integrated coconut processing plants. With 83.6% heat efficiency, it provides a cost-effective, sustainable heat source to power dryers, sterilizers, and other steam-consuming equipment in the same line.

Demo video: <https://youtu.be/4kCqT2EcK60>



Specification	Value
Model	LSG-1.5-0.7-S
Evaporation rate	1,500 kg/h
Rated steam pressure	0.7 MPa
Saturated steam temp.	170 degC
Fuel	Biomass pellets, wood chips, coconut shells
Heat efficiency	83.6%
Water volume	1.73 m3
Water feed pump	2.2 kW
Blower fan	0.55 kW
Draft fan	5.5 kW
Pipe sizes	Inlet DN25 · Drain DN40 · Steam DN50 · Safety DN40 · Ch
Boiler dimension	2500 x 1900 x 3100 mm
Gross weight	7,200 kg

Key Features:

- + Burns coconut shells as fuel
- + 83.6% heat efficiency
- + 1,500 kg/h steam output
- + 0.7 MPa / 170 degC saturated steam
- + Pairs with FBD-200 dryer line
- + Sustainable biomass fuel cycle

Supermasscolloider - Masuko MKZA 12-40JIV

200-1,800 kg/h

Ultra-fine ceramic grinding, 200-1,800 kg/h, 24-hour continuous operation

The Masuko MKZA 12-40JIV Supermasscolloider is a compact ultra-fine grinder engineered for food, pharmaceutical, and chemical applications - occupying as little as one square meter of floor space. It uses two patented ceramic nonporous grinders (patented in 12 countries) adjustable in 1/100 mm increments, producing exceptionally round, smooth, uniform particles across a wide viscosity range. The jacketed design supports both cooling and heating applications, and the machine runs continuously for 24 hours with fast, tool-free disassembly for cleaning and sanitising.

Demo video: <https://youtu.be/dncpjQbu4n0>



Specification	Value
Model	Masuko MKZA 12-40JIV
Motor	15 kW, 415V, 3-phase, 50Hz (3,000 RPM)
Standard capacity	200-1,800 kg/h
Grinder diameter	O 250 mm
External dimensions	O 600 x 1305 mm (H)
Weight	250 kg
Grinder clearance	Adjustable in 1/100 mm increments
Grinder material	Ceramic (non-porous, patented in 12 countries)
Construction	Fully stainless steel
Jacket	Cover & product-contact parts - cooling & heating

Key Features:

- + Ceramic grinders - 150+ variations
- + 1/100 mm clearance adjustment
- + 24-hour continuous operation
- + Jacketed for cooling & heating
- + Tool-free disassembly & cleaning
- + Spring-damper lid assist
- + Anti-bacterial grinder options

Masuko Micro Meister

12,000 RPM

Ultra-precise micron-size cutting at 12,000 RPM - 40,000 cuts/sec

The Masuko Micro Meister is an ultra-precise cutting machine operating at up to 12,000 RPM. Micron-size cutting is achieved by the shearing force generated between spinning rotors and 222 knives planted in a ring around the rotor. At 12,000 RPM, material can be cut at more than 40,000 times per second. Driven parts are supported by an oil mist lubricating system, enabling high-speed continuous operation with less heat generation. Ideal for producing ultra-fine coconut-derived powders, flours, and specialty ingredients.

Demo video: <https://youtu.be/U78LUHpsGo>



Specification	Value
Max speed	12,000 RPM
Cutting rate	40,000+ cuts/sec
Knife configuration	222 knives in ring around rotor
Blade type	"S" type for ultra-precise cutting
Lubrication	Oil mist system
Construction	Fully stainless steel
Operation	24-hour continuous

Key Features:

- + 12,000 RPM ultra-high speed
- + 222-knife ring configuration
- + "S" type precision blades
- + Oil mist lubrication - low heat
- + 24-hour continuous operation
- + Tool-free disassembly & cleaning
- + Micron-size particle output

Hydraulic Press - Model HP-500L

200-ton press

200-ton press, <=400 kg/batch, 15-20 min cycle - bottom discharge

The HP-500L is a heavy-duty hydraulic press designed for extracting coconut oil and pressing high-moisture coconut products. It applies up to 200 tons of pressure through a 500L pressing drum (O 800 x 900 mm) fitted with 5 filter bags, completing each batch in just 15-20 minutes with bottom discharge for easy cake removal. The hydraulic station features a 7.5 kW oil pump driving a O 351 x 930 mm cylinder, all built from SUS304 stainless steel.

Demo video: <https://youtu.be/SNa8VMwjs7Y>



Specification	Value
Model	HP-500
Cake discharge	Bottom discharge
Pressing drum	500 L - O 800 x 900 mm
Load capacity	<=400 kg/batch
Cycle time	15-20 minutes
Filter bags	5 pieces
Pressure	200 tons
Oil pump	7.5 kW
Cylinder	O 351 x 930 mm
Dimension	2200 x 1140 x 2600 mm
Weight	1,100 kg
Construction material	SUS304 stainless steel
Power supply	415V, 50Hz, 3-phase

Key Features:

- + 200-ton hydraulic pressure
- + Bottom discharge - easy cake removal
- + 500L pressing drum
- + 15-20 min cycle time
- + 5-piece filter bag system
- + 7.5 kW hydraulic station
- + Full SUS304 stainless construction

Filter Press - 400x400 Fortiplates Inox 40 Plates

40 plates · 800-1,200 L/h

40-plate stainless steel filter press, 800-1,200 L/h, no pump required

The Fortiplates Inox Filter Press features 40 stainless steel 400x400 mm plates with a minimum solid INOX plate thickness of 34 mm - no welding, so corrosion is eliminated at the source. All conduits and parts in contact with liquid are made of SS304 stainless steel. The filter package is closed using a mechanical screw, and INOX butterfly valves are fitted throughout, except for the pump regulation control valve which uses a ball valve for superior flow control. Pump is not incorporated - the press ships ready to connect to your existing pump setup.



Specification	Value
Model	Fortiplates Inox 400x400
Plates	40 plates
Plate size	400 x 400 mm
Plate thickness	Minimum 34 mm solid INOX
Capacity	800-1,200 L/h
Plate material	Stainless steel (no welding)
Wetted parts	SS304 stainless steel
Closing mechanism	Mechanical screw
Valves	INOX butterfly valves + ball valve (pump control)
Pump	Not included

Key Features:

- + 34 mm solid INOX plates - no welding
- + SS304 all wetted contacts
- + Mechanical screw closing
- + INOX butterfly valves
- + Ball valve for flow control
- + 800-1,200 L/h throughput
- + Pump-independent design

EMURA Food Slicer - Model ECA-203

120-1,800 kg/h

120-1,800 kg/h · 1-38 mm slices · sticks · grate · continuous variable speed

Since its debut in 1965, the EMURA Food Slicer has been widely used and highly regarded across food processing industries and school meal services. It goes beyond slicing - with optional cutters it can also stick, grate, and perform various other cuts. The Model ECA-203 is the standard machine in the range, featuring a continuous variable speed gearbox for precise output control. It is easy to clean, highly reliable, and built to high safety standards - making it a trusted choice for high-volume production lines.



Specification	Value
Model	EMURA ECA-203
Slice thickness	1 mm to 38 mm
Stick size	1.2x1.2 mm to 15x15 mm
Max product input size	120x90 mm (H)
Processing capability	120-1,800 kg/h (150 kg/h at 3 mm cut)
External dimensions	W676 x L1193 x H1243 mm
Machine weight	143 kg
Motor	3-phase, 380V, 50Hz

Key Features:

- + In production since 1965
- + Slice, stick, grate & more
- + Continuous variable speed gearbox
- + 1-38 mm slice range
- + 120-1,800 kg/h throughput
- + Easy to clean design
- + High safety standards

Vacuum Packing Machine

Vacuum & Seal

Vacuum & seal - vertical chamber, SS304 body, conveyor & brick mold included

A heavy-duty vertical chamber vacuum packing machine built entirely in SS304 stainless steel. Features a large vertical chamber with precise time control for vacuum, cool, and seal cycles - all managed via an English-language panel. Each unit ships with two 1-metre SS304 conveyors and two SS304 brick molds, ready for immediate integration into a coconut processing line.



Specification	Value
Function	Vacuum & seal
Cycle control	Vacuum / cool / seal - time-controlled
Panel	English
Chamber	Vertical, large capacity
Conveyor	1 m SS304 conveyor x 2 pcs
Brick mold	SS304 brick mold x 2 pcs
Body material	SS304 stainless steel

Key Features:

- + Vacuum & seal in one cycle
- + Time-controlled vacuum/cool/seal
- + English control panel
- + Large vertical chamber
- + Includes 2x SS304 conveyors
- + Includes 2x SS304 brick molds
- + Full SS304 stainless steel body

Interested in our equipment?

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